10/537851

TRA	NSMITTAL	Docket No. RLI-270US							
In Re A	pplication Of:	MEHTA et al.							
Applic	ation No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.			
10/5	537,851	12/10/2002	TBA	26815	ТВА				
Title: DISUBSTITUTED AZABICYCLO[3.1.0]HEXANE DERIVATIVES AS MUSCARINIC RECEPTOR ANTAGONISTS									
	Address to: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450								
	ř		37 CFR 1.97(b)						
1. ☒	The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.								
٥									
37 CFR 1.97(c)									
2. ¿□	The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:								
☐ the statement specified in 37 CFR 1.97(e);									
OR									
	the fee set forth in 37 CFR 1.17(p).								

TRANSMITTA	Docket No. RLI-270US								
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	(Only cor		nt of Fee s to pay the f	ee set forth in 37	CFR 1.17(p))				
(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p)) A check in the amount of is attached. The Director is hereby authorized to charge and credit Deposit Account No. 50-0912 as described below. Charge the amount of Credit any overpayment. Charge any additional fee required. Payment by credit card. Form PTO-2038 is attached. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. Certificate of Transmission by Facsimile* Certificate of Mailing by First Class Mail I certify that this document and authorization to charge deposit account is being facsimile transmitted to the United States Patent and Trademark Office (Fa Signature Signature Signature of Person Mailing Correspondence MICHELLE MORGAN Typed or Printed Name of Person Mailing Certificate *This certificate may only be used if paying by deposit account.									
George E. Heibel, E. Reg. No. 42,648 Ranbaxy Inc. 600 College Road E. Princeton, NJ 08540 Tel.: 609 720-5334 Fax: 609 514-9779	ast, Suite 2100		Dated: I	May 5, 2006					

INFORMATION DISCLOTERE CITATION

Docket No.: RLL-270US

Serial No.: 10/537,851

Applicants: MEH

et al.

Filed: 6/8/2005

Group:

			U.S. P	ATENT DOCUMENTS				
EXAMINER INITIAL		DOCUMENT NUMBER DATE NAME		NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	A1	3,176,019	3/30/1965	Campbell et al.	260	293.4		
	A2	5,281,601	1/25/1994	Cross et al.	514	320		
	A3	5,397,800	3/14/1995	Alker et al.	514	413		
	A4	5,703,091	12/30/1997	Steiner et al.	514	300		
	A5	5,914,338	6/22/1999	Jeppesen <i>et al.</i>	514	362		
	A6	5,948,792	9/7/1999	Tsuchiya et al.	514	317		
	A7	6,130,232	10/10/2000	Mase et al.	514	318		
	A8	6,174,900	1/16/2001	Okada et al.	514	317		
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			FOREIGN	N PATENT DOCUMENTS				
•		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	B1	EP 0 132 130	1/23/1985	EPO	C07D	307/79	1	
	B2	EP 0 325 571	7/26/1989	EPO	C07C	215/54		
	В3	EP 0 388 054	9/19/1990	EPO	C07D	207/08		
	B4	EP 0 801 067	10/15/1997	EPO	C07D	453/02	1	
	B5	EP 0 823 423	2/11/1998	EPO	C07D	211/46	1	
	B6	EP 0 863 141	9/9/1998	EPO	C07D	401/06		
	В7	EP 0 930 298	7/21/199	EPO	C07D	211/46	1	
	B8	GB 940,540	10/30/1963	UK	C07C		1	
	B9	JP 135958/1994	5/17/1994	Japan	C07D	333/16		
	B10	JP 92921/1994	4/5/1994	Japan	C07C	237/20		
	B11	WO 91/09013	6/27/1991	PCT	C07D	207/08		
	B12	WO 93/16018	8/19/1993	PCT	C05F	17/02		
	B13	WO 93/16048	8/19/1993	PCT	C07D	211/26	Equivalent CA 2155320	

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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B14	WO 96/33973	10/31/1996	PCT	C07D	211/46	Equivalent EP 0 823 423			
B15	WO 97/45414	12/4/1997	PCT	C07D	211/58	Abstract			
B16	WO 98/05641	2/12/1998	PCT	C07D	211/46	Equivalent US 5,948,792			
B17	WO 98/29402	7/9/1998	PCT	C07D	311/20	ı			
B18	WO 04/004629	1/15/2004	PCT	A61K		l			
B19	WO 04/005252	1/15/2004	PCT	C07D	209/52	l			
	OTHER DOCUME	NTS (Includ	ding Author, Title, Date, P	ertinent Pa	ages, Etc.)	- 1			
C1	Kuba at al Molanina, against and assessing for all DNA Mills (I								
C2	Bonner et al., "Identification of a Family of Muscarinic Acetylcholine Receptor Genes", Science, 237:527-531 (1987) Eglen et al., "Muscarinic receptor ligands and their theraputic potential", Current Opinion in Chemical Biology, 3:426-432 (1999)								
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C5	Felder et al., "Theraputic Opportunities for Muscarinic Receptors in the Central Nervous System", <i>Journal of Medicinal Chemistry</i> , 43(23):4333-4353 (2000) Broadley and Kelly, "Muscarinic Receptor Agonists and Antagonists", <i>Molecules</i> , 6:142-193 (2001) Birdsall et al., "Muscarinic receptors: it's a knockout", <i>Trends in Pharmacological Sciences</i> , 22(5):215-219 (2001) de Groat and Yoshimura, "Pharmacology of the Lower Urinary Tract", <i>Annual Review of Pharmacology and Toxicology</i> , 41:691-721 (2001) Steers, "The future direction of neuro-urology drug research", <i>Current Opinion in CPNS Investigational Drugs</i> , 2(3):268-282 (2000)								
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C7									
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C10	Changle III A consists and the state of the								
C11	Steers, Barrot, Wein, "Voiding dysfunction: diagnosis classification and management", In: Adult and Pediatric Urology, ed. Gillenwater, Grayhack, Howards, Duckett. Mosby, St. Louis, MO; 1220-1325, 3rd edition (1996)								
C12	Company of all IIC value and an All dains additional to the control of the contro								
 C13	Vogel's textbook, "Practical Organic Chemistry" 1046-1047 (5th Ed.)								

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C14	Braish et al., "Construction of the $(1\alpha,5\alpha,6\alpha)$ -6-Amino-3-azabicyclo[3.1.0]hexane Ring System", Synlett, 1100-1102 (1996)
C15	
C16	Shacklett and Smith, "The Preparation of Substituted Benzilic Acids", <i>Journal of the American Chemical Society</i> , 75:2654-2657 (1953)
C17	Gotteland et al., "(Aryloxy)methylsilane Derivatives as New Cholesterol Biosynthesis Inhibitors: Synthesis and Hypocholesterolemic Activity of a New Class of Squalene Epoxidase Inhibitors", Journal of Medicinal Chemistry, 38:3207-3216 (1995)
C18	Weinstock et al., "A General, One-Step Synthesis of α-keto Esters", Synthetic Communications, 11(12):943-946 (1981)
C19	Cornforth et al., "General Synthetic Routes to β-Hydroxy-acids from t-Butyl Esters and the Reformatskii Reaction", <i>Journal of the Chemical Society C</i> , 20:2799-2805 (1969)
C20	Grover et al., "Chiral Mandelic Acid Template Provides a Highly Practical Solution for (S)-Oxybutynin Synthesis", <i>Journal of Organic Chemistry</i> , 65:6283-6287 (2000)
C21	Moriya et al., "Affinity Profiles of Various Muscarinic Antagonists for Cloned Human Muscarinic Acetylcholine Receptor (mAChR) Subtypes and mAChRs in Rat Heart and Submandibular Gland", <i>Life Sciences</i> , 64(25):2351-2358 (1999)
C22	Cheng and Prusoff, "Relationship between the inhibition constant (<i>K1</i>) and the concentration of inhibitor which causes 50 per cent inhibition (<i>I50</i>) of an enzymatic reaction", <i>Biochemical Pharmacology</i> , <u>22</u> :3099-3108 (1973)

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